RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10 531,556A

Source: PCT

Date Processed by STIC: 3/16/06

ENTERED

PCT

```
        RAW SEQUENCE LISTING              DATE: 03/16/2006
        PATENT APPLICATION:  US/10/531,556A    TIME: 11:47:17

        Input Set : E:\BOHMAN150Sequence.txt
        Output Set: N:\CRF4\03162006\J531556A.raw
```

(pg.6)

```
      3 <110> APPLICANT: Sloning Biotechnology GmbH
      5 <120> TITLE OF INVENTION: Method for the manufacture of nucleic acid molecules
      7 <130> FILE REFERENCE: S 10010 PCT
C-->  9 <140> CURRENT APPLICATION NUMBER: US/10/531,556A
C--> 10 <141> CURRENT FILING DATE: 2005-04-14
     12 <160> NUMBER OF SEQ ID NOS: 61
     14 <170> SOFTWARE: PatentIn version 3.1
     16 <210> SEQ ID NO: 1
     17 <211> LENGTH: 11
     18 <212> TYPE: DNA
     19 <213> ORGANISM: Artificial Sequence
     21 <220> FEATURE:
     22 <223> OTHER INFORMATION: Synthetic
     24 <220> FEATURE:
     25 <221> NAME/KEY: misc_feature
     26 <222> LOCATION: (7)..(11)
     27 <223> OTHER INFORMATION: any nucleotide
     30 <400> SEQUENCE: 1
W--> 31 cgtctcnnnn n                                        11
     34 <210> SEQ ID NO: 2
     35 <211> LENGTH: 11
     36 <212> TYPE: DNA
     37 <213> ORGANISM: Artificial Sequence
     39 <220> FEATURE:
     40 <223> OTHER INFORMATION: Synthetic
     42 <220> FEATURE:
     43 <221> NAME/KEY: misc_feature
     44 <222> LOCATION: (7)..(11)
     45 <223> OTHER INFORMATION: any nucleotide
     48 <400> SEQUENCE: 2
W--> 49 ggtctcnnnn n                                        11
     52 <210> SEQ ID NO: 3
     53 <211> LENGTH: 12
     54 <212> TYPE: DNA
     55 <213> ORGANISM: Artificial Sequence
     57 <220> FEATURE:
     58 <223> OTHER INFORMATION: Synthetic
     60 <220> FEATURE:
     61 <221> NAME/KEY: misc_feature
     62 <222> LOCATION: (7)..(12)
     63 <223> OTHER INFORMATION: any nucleotide
     66 <400> SEQUENCE: 3
W--> 67 gaagacnnnn nn                                       12
```

RAW SEQUENCE LISTING   DATE: 03/16/2006
PATENT APPLICATION: US/10/531,556A   TIME: 11:47:17

Input Set : **E:\BOHMAN150Sequence.txt**
Output Set: **N:\CRF4\03162006\J531556A.raw**

```
      70 <210> SEQ ID NO: 4
      71 <211> LENGTH: 14
      72 <212> TYPE: DNA
      73 <213> ORGANISM: Artificial Sequence
      75 <220> FEATURE:
      76 <223> OTHER INFORMATION: Synthetic
      78 <220> FEATURE:
      79 <221> NAME/KEY: misc_feature
      80 <222> LOCATION: (7)..(14)
      81 <223> OTHER INFORMATION: any nucleotide
      84 <400> SEQUENCE: 4
W-->  85 acctgcnnnn nnnn                                           14
      88 <210> SEQ ID NO: 5
      89 <211> LENGTH: 8
      90 <212> TYPE: DNA
      91 <213> ORGANISM: Artificial Sequence
      93 <220> FEATURE:
      94 <223> OTHER INFORMATION: Synthetic
      96 <220> FEATURE:
      97 <221> NAME/KEY: misc_feature
      98 <222> LOCATION: (7)..(8)
      99 <223> OTHER INFORMATION: any nucleotide
     102 <400> SEQUENCE: 5
W--> 103 gcagtgnn                                                   8
     106 <210> SEQ ID NO: 6
     107 <211> LENGTH: 8
     108 <212> TYPE: DNA
     109 <213> ORGANISM: Artificial Sequence
     111 <220> FEATURE:
     112 <223> OTHER INFORMATION: Synthetic
     114 <220> FEATURE:
     115 <221> NAME/KEY: misc_feature
     116 <222> LOCATION: (7)..(8)
     117 <223> OTHER INFORMATION: any nucleotide
     120 <400> SEQUENCE: 6
W--> 121 gcaatgnn                                                   8
     124 <210> SEQ ID NO: 7
     125 <211> LENGTH: 12
     126 <212> TYPE: DNA
     127 <213> ORGANISM: Artificial Sequence
     129 <220> FEATURE:
     130 <223> OTHER INFORMATION: Synthetic
     132 <220> FEATURE:
     133 <221> NAME/KEY: misc_feature
     134 <222> LOCATION: (7)..(12)
     135 <223> OTHER INFORMATION: any nucleotide
     138 <400> SEQUENCE: 7
W--> 139 gtatccnnnn nn                                              12
     142 <210> SEQ ID NO: 8
```

RAW SEQUENCE LISTING   DATE: 03/16/2006
PATENT APPLICATION: US/10/531,556A   TIME: 11:47:17

Input Set : **E:\BOHMAN150Sequence.txt**
Output Set: **N:\CRF4\03162006\J531556A.raw**

```
     143 <211> LENGTH: 11
     144 <212> TYPE: DNA
     145 <213> ORGANISM: Artificial Sequence
     147 <220> FEATURE:
     148 <223> OTHER INFORMATION: Synthetic
     150 <220> FEATURE:
     151 <221> NAME/KEY: misc_feature
     152 <222> LOCATION: (7)..(11)
     153 <223> OTHER INFORMATION: any nucleotide
     156 <400> SEQUENCE: 8
W--> 157 actgggnnnn n                                                      11
     160 <210> SEQ ID NO: 9
     161 <211> LENGTH: 17
     162 <212> TYPE: DNA
    ,163 <213> ORGANISM: Artificial Sequence
     165 <220> FEATURE:
     166 <223> OTHER INFORMATION: Synthetic
     168 <220> FEATURE:
     169 <221> NAME/KEY: misc_feature
     170 <222> LOCATION: (7)..(17)
     171 <223> OTHER INFORMATION: any nucleotide
     174 <400> SEQUENCE: 9
W--> 175 ggcggannnn nnnnnnn                                                17
     178 <210> SEQ ID NO: 10
     179 <211> LENGTH: 16
     180 <212> TYPE: DNA
     181 <213> ORGANISM: Artificial Sequence
     183 <220> FEATURE:
     184 <223> OTHER INFORMATION: Synthetic
     186 <220> FEATURE:
     187 <221> NAME/KEY: misc_feature
     188 <222> LOCATION: (7)..(16)
     189 <223> OTHER INFORMATION: any nucleotide
     192 <400> SEQUENCE: 10
W--> 193 gaggagnnnn nnnnnn                                                 16
     196 <210> SEQ ID NO: 11
     197 <211> LENGTH: 15
     198 <212> TYPE: DNA
     199 <213> ORGANISM: Artificial Sequence
     201 <220> FEATURE:
     202 <223> OTHER INFORMATION: Synthetic
     204 <220> FEATURE:
     205 <221> NAME/KEY: misc_feature
     206 <222> LOCATION: (8)..(15)
     207 <223> OTHER INFORMATION: any nucleotide
     210 <400> SEQUENCE: 11
W--> 211 cacctgcnnn nnnnn                                                  15
     214 <210> SEQ ID NO: 12
     215 <211> LENGTH: 17
```

RAW SEQUENCE LISTING   DATE: 03/16/2006
PATENT APPLICATION: US/10/531,556A   TIME: 11:47:17

Input Set : **E:\BOHMAN150Sequence.txt**
Output Set: **N:\CRF4\03162006\J531556A.raw**

```
      216 <212> TYPE: DNA
      217 <213> ORGANISM: Artificial Sequence
      219 <220> FEATURE:
      220 <223> OTHER INFORMATION: Synthetic
      223 <220> FEATURE:
      224 <221> NAME/KEY: misc_feature
      225 <222> LOCATION: (7)..(17)
      226 <223> OTHER INFORMATION: any nucleotide
      229 <400> SEQUENCE: 12
W--> 230 cagctcnnnn nnnnnnn                                            17
      233 <210> SEQ ID NO: 13
      234 <211> LENGTH: 11
      235 <212> TYPE: DNA
      236 <213> ORGANISM: Artificial Sequence
      238 <220> FEATURE:
      239 <223> OTHER INFORMATION: Synthetic
      241 <220> FEATURE:
      242 <221> NAME/KEY: misc_feature
      243 <222> LOCATION: (8)..(11)
      244 <223> OTHER INFORMATION: any nucleotide
      247 <400> SEQUENCE: 13
W--> 248 gctcttcnnn n                                                  11
      251 <210> SEQ ID NO: 14
      252 <211> LENGTH: 10
      253 <212> TYPE: DNA
      254 <213> ORGANISM: Artificial Sequence
      256 <220> FEATURE:
      257 <223> OTHER INFORMATION: Synthetic
      259 <220> FEATURE:
      260 <221> NAME/KEY: misc_feature
      261 <222> LOCATION: (7)..(10)
      262 <223> OTHER INFORMATION: any nucleotide
      265 <400> SEQUENCE: 14
W--> 266 ctcttcnnnn                                                    10
      269 <210> SEQ ID NO: 15
      270 <211> LENGTH: 11
      271 <212> TYPE: DNA
      272 <213> ORGANISM: Artificial Sequence
      274 <220> FEATURE:
      275 <223> OTHER INFORMATION: Synthetic
      277 <220> FEATURE:
      278 <221> NAME/KEY: misc_feature
      279 <222> LOCATION: (7)..(11)
      280 <223> OTHER INFORMATION: any nucleotide
      283 <400> SEQUENCE: 15
W--> 284 ggtctcnnnn n                                                  11
      287 <210> SEQ ID NO: 16
      288 <211> LENGTH: 11
      289 <212> TYPE: DNA
```

```
        290 <213> ORGANISM: Artificial Sequence
        292 <220> FEATURE:
        293 <223> OTHER INFORMATION: Synthetic
        295 <220> FEATURE:
        296 <221> NAME/KEY: misc_feature
        297 <222> LOCATION: (7)..(11)
        298 <223> OTHER INFORMATION: any nucleotide
        301 <400> SEQUENCE: 16
W--> 302 cgtctcnnnn n                                                11
        305 <210> SEQ ID NO: 17
        306 <211> LENGTH: 14
        307 <212> TYPE: DNA
        308 <213> ORGANISM: Artificial Sequence
        310 <220> FEATURE:
        311 <223> OTHER INFORMATION: Synthetic
        313 <220> FEATURE:
        314 <221> NAME/KEY: misc_feature
        315 <222> LOCATION: (7)..(14)
        316 <223> OTHER INFORMATION: any nucleotide
        319 <400> SEQUENCE: 17
W--> 320 acctgcnnnn nnnn                                             14
        323 <210> SEQ ID NO: 18
        324 <211> LENGTH: 12
        325 <212> TYPE: DNA
        326 <213> ORGANISM: Artificial Sequence
        328 <220> FEATURE:
        329 <223> OTHER INFORMATION: Synthetic
        331 <220> FEATURE:
        332 <221> NAME/KEY: misc_feature
        333 <222> LOCATION: (7)..(12)
        334 <223> OTHER INFORMATION: any nucleotide
        337 <400> SEQUENCE: 18
W--> 338 gaagacnnnn nn                                               12
        341 <210> SEQ ID NO: 19
        342 <211> LENGTH: 8
        343 <212> TYPE: DNA
        344 <213> ORGANISM: Artificial Sequence
        346 <220> FEATURE:
        347 <223> OTHER INFORMATION: Synthetic
        349 <220> FEATURE:
        350 <221> NAME/KEY: misc_feature
        351 <222> LOCATION: (7)..(8)
        352 <223> OTHER INFORMATION: any nucleotide
        355 <400> SEQUENCE: 19
W--> 356 gcaatgnn                                                    8
        359 <210> SEQ ID NO: 20
        360 <211> LENGTH: 8
        361 <212> TYPE: DNA
        362 <213> ORGANISM: Artificial Sequence
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 03/16/2006
PATENT APPLICATION: US/10/531,556A   TIME: 11:47:18

Input Set : **E:\BOHMAN150Sequence.txt**
Output Set: **N:\CRF4\03162006\J531556A.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

```
Seq#:1;  N Pos. 7,8,9,10,11
Seq#:2;  N Pos. 7,8,9,10,11
Seq#:3;  N Pos. 7,8,9,10,11,12
Seq#:4;  N Pos. 7,8,9,10,11,12,13,14
Seq#:5;  N Pos. 7,8
Seq#:6;  N Pos. 7,8
Seq#:7;  N Pos. 7,8,9,10,11,12
Seq#:8;  N Pos. 7,8,9,10,11
Seq#:9;  N Pos. 7,8,9,10,11,12,13,14,15,16,17
Seq#:10; N Pos. 7,8,9,10,11,12,13,14,15,16
Seq#:11; N Pos. 8,9,10,11,12,13,14,15
Seq#:12; N Pos. 7,8,9,10,11,12,13,14,15,16,17
Seq#:13; N Pos. 8,9,10,11
Seq#:14; N Pos. 7,8,9,10
Seq#:15; N Pos. 7,8,9,10,11
Seq#:16; N Pos. 7,8,9,10,11
Seq#:17; N Pos. 7,8,9,10,11,12,13,14
Seq#:18; N Pos. 7,8,9,10,11,12
Seq#:19; N Pos. 7,8
Seq#:20; N Pos. 7,8
Seq#:21; N Pos. 7,8,9,10,11
Seq#:22; N Pos. 7,8,9,10,11,12
Seq#:23; N Pos. 7,8,9,10,11,12,13,14,15,16
Seq#:24; N Pos. 7,8,9,10,11,12,13,14,15,16,17
Seq#:25; N Pos. 7,8,9,10,11,12,13,14,15,16,17
Seq#:26; N Pos. 8,9,10,11,12,13,14,15
```

VERIFICATION SUMMARY   DATE: 03/16/2006
PATENT APPLICATION: US/10/531,556A   TIME: 11:47:18

Input Set : **E:\BOHMAN150Sequence.txt**
Output Set: **N:\CRF4\03162006\J531556A.raw**

```
L:9 M:270 C: Current Application Number differs, Replaced Current Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:31 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:49 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:67 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:211 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:248 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:302 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:338 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:374 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:392 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:410 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:428 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:464 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:482 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
```